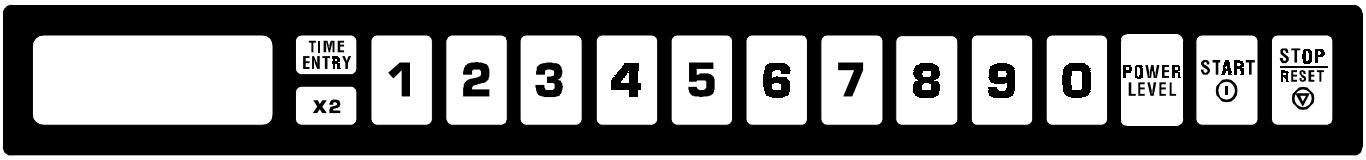
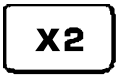
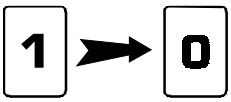
Control Panel Features



TIME ENTRY pad is used to enter cooking time for either manual entry or programming. Cooking time ranges from 1 second (00:01) to a total of 60 minutes (60:00) over four stages. If more than 60 minutes of total microwave cooking time is required, open door and inspect food before beginning new cooking cycle.



X2 pad increases the cooking time when cooking more than one item at a time is necessary. The amount of added time when the X2 pad is pressed is a percent of the original preprogrammed cooking time. The percent can be set from 10% to 100% with the default at 80%. The percent of the time added can be changed for individual cooking sequences.

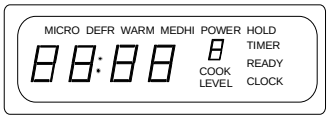


Numbered pads begin cooking programs or enter times and power levels for “Manual Time Entry” cooking.

POWER LEVEL pad is used to set microwave power level. When cooking, the power level can be decreased for foods that require slower more even cooking. Microwave power levels range from 0% to 100% in 10% increments. If cooking time is set and START pad pressed, oven cooks at 100% power. When programming, to reset power level to 100%, press POWER LEVEL pad.

START pad begins Manual Time Entry cooking or restarts an interrupted cooking cycle. When programming, use to save time and power level, and to advance to next user option.

STOP/ RESET pad exits programming mode and stop cooking during cooking cycle.



Display Some items in display can be seen but will not glow.

Stages

This oven can be programmed to run 4 cooking sequences consecutively. Each sequence is called a stage. For example, the first cycle could be programmed to defrost at 60% power, the second to defrost at 30% power, the third to heat at 100% power, and the fourth to hold warm at 10% power. Total time for all cooking stages counts down.

User Options

User Options allow the user to program the oven to perform in a way convenient to the user. The beeps, maximum cooking time, and number of preprogrammed cooking sequences can be changed.

Displays

Cooking Methods

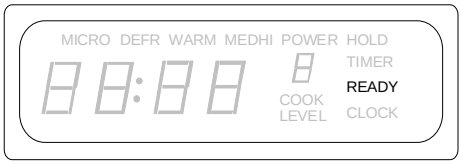
Memory Pads
This oven can of store either 10 or 100 cooking programs in memory.

Single Pad Cooking
From the factory, it is programmed to store 10 cooking programs. Each pad begins a cooking program.

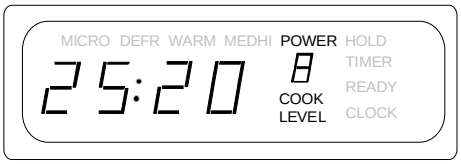
Double Pad Cooking
The oven control can be changed to store up to 100 cooking programs. To set the control to 100 cooking programs, see the “User’s Options” section of this manual. To heat when the oven is set for 100 programs , press 2 memory pads. For example, to start the first program, press pad 0, then pad 1. To use the second program, press pad 0, then pad 2. After the pads are pressed, the oven starts automatically and time counts down.

Manual Time Entry
Manual Time Entry feature allows the operator to heat without changing the preprogrammed pads. Time must be entered and power can be set before cooking. START pad must be pressed to begin cooking.

Cooking Displays

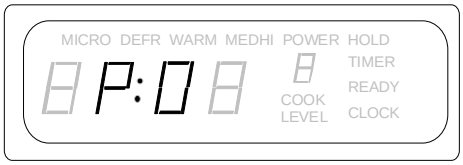


READY shows when oven control will accept entries.

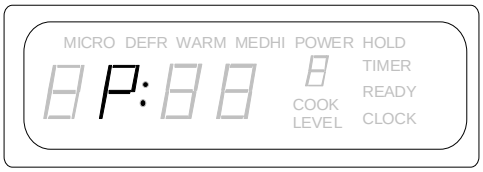


25:20 shows cooking time. When more than one cooking stage is programmed, total time for all stages displays. POWER Shows when microwave energy is generated. COOK LEVEL shows when oven is operating. 8 indicates the microwave power level used. If number does not show, oven is cooking at 100% power.

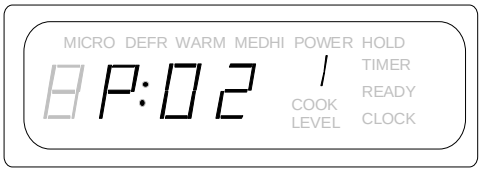
Programming Displays



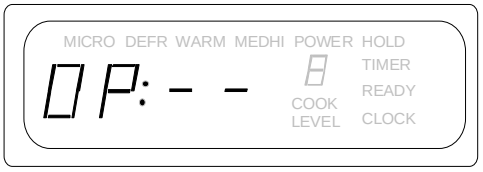
This display indicates oven is in programming mode and ready to program a numbered pad(s).



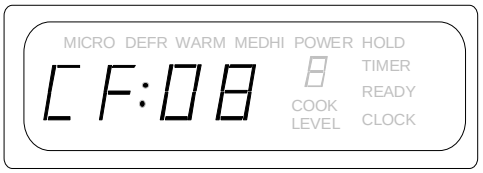
This display indicates oven is set to double pad entry and 2 pads must be pressed to enter a program. See “Programming” section of manual for programming procedure or “User Options” to change from single or double pad entry.



This display shows briefly when programming more than one stage. It indicates programming mode for pad 02. The smaller “1” indicates stage 1 is being programmed.



This display indicates programming user options mode. See “User Options” section of manual for programming procedure.



This display indicates cooking factor of 80% when X2 pad is pressed.

Operation

Interrupting Operation

Open oven door or press *STOP/RESET* pad to interrupt operation. Display continues to show countdown time. Close door and press *START* pad to resume oven operation.

Canceling Mistakes

If oven is not cooking, press *STOP/RESET* pad to clear display. If oven is cooking, press *STOP/RESET* pad once to stop oven, then again to clear display. If oven door is open and time shows in display, close oven door and press *STOP/RESET* pad to clear display.

Operating Preprogrammed Pads

From the factory, this oven can of store up to 10 preprogrammed cooking sequences in memory. To heat using a preprogrammed sequence, press a numbered pad. Oven starts to heat automatically. Example: Heat using the third cooking sequence.

1. Open oven door, place food in oven, and close oven door.
   - Display shows “READY”.
   - If pad is not pressed in 60 seconds, open and close oven door again.
2. Press 3 pad.
   - Oven operates and time counts down.
   - Display shows cooking time, “POWER”, ”COOK LEVEL”. Display shows “POWER” only when microwave energy is present.
   - If power level other than 100 percent power was programmed, display shows “COOK LEVEL” and power level.
   - If additional cooking time is required, press preprogrammed pads before or after cooking cycle ends.
3. Oven stops cooking and oven signal sounds when cooking timing elapses.

Preprogrammed Times and Cook Level

All preprogrammed pads arrive set at full power.

Pads	Times	Pads	Times
1	10 sec.	6	1:30 min.
2	20 sec.	7	2 min.
3	30 sec.	8	3 min.
4	45 sec.	9	4 min.
5	1 min.	0	5 min.

Double Pad Programs

The oven control can be changed to store up to 100 cooking programs. See the “User’s Options” section of this manual to change oven control.

To start a double pad cooking program, press 2 memory pads. For example, press pad 0 and pad 3 to start a cooking program.

Using X2 Pad

X2 pad increases the cooking time when cooking more than one item at a time is necessary. The amount of added time when the X2 pad is pressed is a percent of the original preprogrammed cooking time. The percent can be set from 10% to 100% with the default at 80%. The percent of the time added can be changed for individual cooking programs.

Press X2 pad before pressing memory pad. For example, press X2 pad and then memory pad 3. Pad 3 normally cooks for 30 seconds. When the X2 pad is pressed before memory pad 3, 54 seconds displays because it added 24 seconds, (80% of 30 sec. =24 sec.).

Manual Time Entry

Manual Time Entry feature allows the operator to enter time and power levels, and heat without changing the preprogrammed pads. Example: Heat for 30 seconds at 80% power.

1. Open oven door, place food in oven, and close door.
   - Display shows “READY”. Fan and light operate.
   - If pad is not pressed in 60 seconds, open and close oven door again.
2. Press TIME ENTRY pad.
   - Display shows “0000” and “READY”.
3. Press 3 and 0 pad to enter cooking time.
4. Press POWER LEVEL pad to change power level.
   - Display shows “COOK LEVEL” and current power level if other than 100 percent power.
5. Press 8 pad to enter desired power level.
6. Press START pad.
   - Oven operates and time counts down.
   - Display shows cooking time, “POWER”, “COOK LEVEL”.
   - Display shows “POWER” only when microwave energy is present.
   - If power level other than 100 percent power was programmed, display shows “COOK LEVEL” and power level. Display counts down cooking time.
7. Oven stops cooking and oven signal sounds when cooking timing elapses.

Programming Instructions

Memory Pads

From the factory, this oven can of store up to 10 cooking programs. Follow instructions below to program cooking times and power levels for customized cooking.
Example: Program third cooking sequence to heat for 30 seconds at 80% power.

1. Open oven door.
   - Display shows “READY”.
   - If door is closed or RESET pad is pressed before finishing programming sequence, oven exits programming mode.
2. Press and hold pad 1 for approximately 5 seconds.
   - After 5 seconds, signal sounds. Display shows “P:0”.
3. Press 3 pad to select memory pad.
   - Display shows cooking time, “COOK LEVEL” and power level if other than 100 percent power.
4. Press 3 and 0 pad to enter desired cooking time.
5. Press POWER LEVEL pad to change power level.
   - Display shows “COOK LEVEL” and current power level if other than 100 percent power.
6. Press 8 pad to enter desired power level.
7. Press START pad to save new cooking time and power level in oven memory.
   - Display shows “P:0”.
   - Repeat step 3–8 to program additional pads.
8. Press STOP/RESET pad or close oven door to exit programming mode.

Double Pad Programs

The oven control can be changed to store up to 100 cooking programs. See the “User’s Options” section of this manual to change oven control.

To create a double pad program, follow the instructions above except for a change to step #3. When entering the cooking program number, press 2 memory pads. For example, press pads 0 and pad 3 to create a new cooking program.

Multiple Cooking Stages

Follow instructions below to program oven to perform four consecutive cooking cycles without interruption.
Example: Program third cooking sequence to heat for 30 seconds at 80% power, 40 seconds at 50% power, and 10 seconds at 100% power.

1. Open oven door.
   - Display shows “READY”.
   - If door is closed or RESET pad is pressed before finishing programming sequence, oven exits programming mode.
2. Press pad 1 for approximately 5 seconds.
   - After 5 seconds, signal sounds. Display shows “P:0”.
3. Press 3 pad to select memory pad.
   - Display shows cooking time, “COOK LEVEL” and power level if other than 100 percent power.
4. Press 3 and 0 to enter desired cooking time.
5. Press POWER LEVEL pad to change power level.
   - Display shows “COOK LEVEL” and current power level if other than 100 percent power.
6. Press 8 pad to enter desired power level.
7. Press TIME ENTRY pad.
   - Display briefly shows "P:03$^{(1\text{-}4)}$" indicating programming, pad 3, stage 2. Then cook time and power level for stage show in display.
   - Repeat steps 5–8 to create additional stages.
8. Press START pad to save new cooking time and power level in oven memory.
9. Press STOP/RESET pad or close oven door to exit programming mode.

X2 Quantity Feature

This feature allows the user to change the amount of time added when the X2 pad and then the programmed pad is pressed. Based on the original time, the X2 pad can add from 10%-100% of additional cooking time. The default is 80%. Example: change cooking factor to 50% for third cooking sequence.

1. Open oven door.
   - If door is closed or *RESET* pad is pressed before finishing programming sequence, oven exits programming mode.
2. Press and hold pad 1 for approximately 5 seconds.
   - After 5 seconds, signal sounds. Display shows “P:--”.
3. Press 3 pad to select the cooking program.
4. Press 5 pad to change cooking factor.
   - Display shows “CF:05”.
5. Press START pad to save changes.
6. Press STOP/RESET pad or close oven door to exit programming mode.

Double Pad Programs

The oven control can be changed to store up to 100 cooking programs. See the “User’s Options” section of this manual to change oven control.

To change the quantity for a double pad program, follow the instructions above except for a change to step #3. When entering the cooking program number, press 2 memory pads. For example, press pads 0 and pad 3 to create a new cooking program. After the program is saved, press pad 0 and pad 3 to start a cooking program.

Programming Instructions

User Options

Follow the instructions below to customized the microwave oven's operation. End-of-cycle signal, maximum cooking time and other options can be changed to meeting your cooking needs. Example: Change setting to single digit pad operation.

1. Open oven door.
   - If door is closed or *RESET* pad is pressed before finishing programming sequence, oven exits programming mode.
2. Press and hold pad 2 for approximately 5 seconds.
   - After 5 seconds, signal sounds. Display shows "0P:".
3. Press 9 pad.
   - See table for options.
   - Displays shows "OP:91".
   - "OP" represents optional program mode, first number represents option number and second number represents functions currently selected for option.
4. Press 9 pad repeatedly to change setting.
5. Press START pad to save changes.
   - Repeat steps 3-5 to change additional options.
   - Changes appear after door is closed or STOP/ RESET is pressed.
6. Press STOP/RESET pad or close oven door to exit programming mode.

Numbered Pads	Display	Options (Factory Settings in Bold)
1 End of Cycle Beep	OP:10	**3 second continuous beep.**
	OP:11	Continuous beep until door is opened.
	OP:12	5 beeps bursts until door is opened.
2 Speaker Volume	OP:20	Eliminates beep.
	OP:21	Sets volume to low.
	OP:22	**Sets volume to medium.**
	OP:23	Sets volume to high.
3 Key Beep	OP:30	Prevents beep when pad is pressed.
	OP:31	**Allows beep when pad is pressed.**
4 Keyboard Enable Window	OP:40	15 seconds after oven door is opened, keyboard disabled.
	OP:41	30 seconds after oven door is opened, keyboard disabled.
	OP:42	**1 minute after oven door is opened, keyboard disabled.**
	OP:43	2 minutes after oven door is opened, keyboard disabled.
5 Add Time during Heating	OP:50	Prevents adding heating time while oven is heating.
	OP:51	**Allows heating time to be changed while oven is heating when a memory pad is pressed.**
6 Reset Door Open	OP:60	**Allows oven to resume heating time countdown after door is opened during cycle.**
	OP:61	Cancels heating time countdown after door is opened during cycle.
7 Maximum Heating Time	OP:70	**Allows 60 minutes of heating time.**
	OP:71	Allows 10 minutes of heating time.
8 Manual Operation	OP:80	Allows use of preprogrammed pads only.
	OP:81	**Allows use of manual time entry and preprogrammed pads.**
9 Double Digit Operation	OP:90	**Allows 10 (0-9) preprogrammed pads.**
	OP:91	Allows 100 (00-99) preprogrammed pads.